

Headquarters U.S. Air Force

Integrity - Service - Excellence

USAF Serial Number Tracking



1 May 2003

**Lt Col Colquitt Lawrence
AF/ILGP**

U.S. AIR FORCE



U.S. AIR FORCE

Overview

- **Mission**
- **OSD Background**
- **USAF Background**
- **SNT Analysis**
- **OSD and USAF Milestones**
- **SNT Projected Milestones**
- **USAF Issues**
- **Summary**



U.S. AIR FORCE

Mission

- **Design and implement a Serial Number Tracking capability for the U.S. Air Force**
- **Coordinate with other organizations and services for DOD Serial Number Tracking program implementation**



U.S. AIR FORCE

OSD Background

- **Unique Identification (UID) Item Marking IPT Team**
 - **DoD goal is to implement a coordinated set of policies setting forth the strategic imperative for uniquely identifying items**
 - **ODUSD memo in Dec 02 requiring unique marking for new weapon systems and modifications**
 - **This will insure:**
 - **Integration of asset management data**
 - **Improved item management and accountability**
 - **Improved asset visibility and life cycle mgmt**
 - **Identify good/bad actors**
 - **Improve warranty management and R&M**
 - **Clean audit opinions for DoD financial statements**



U.S. AIR FORCE

USAF Background

■ **USAF SNT Team**

- **Support DoD functions, implement CONOPS, business rules, policy and integrate throughout supply chain and management information systems**
- **AF/ILI Responsibility as of Feb 03**
- **Team Members present in 26-27 Feb 03 meeting:**
 - **AF/ILG, ILI, ILM**
 - **AFMC - DR, EN, LG, LSO**
 - **AF/XIC**
 - **OSD**
 - **SAF/AQ**
 - SSG/ILI**
 - AFLMA**
 - MSG/SLE**
 - DLA**
- **Will also include MAJCOMs and Program Offices**



U.S. AIR FORCE

USAF Background

- **USAF SNT Team Accomplishments**
 - **AF CONOPS for Serial Number Tracking and Product Marking signed by IL and AQ - 27 Feb 03**
 - **First USAF working group meeting - 26-27 Feb 03**
 - **Developed the strategic goals**
 - **Recapped work already done and ongoing efforts**
 - **Discussed issues and laid framework for IPT**
 - **Innovation and Transformation Office Lead**
 - **SNT is one of HQ AF/ILI's highest priorities**
 - **Co-chaired with AFMC/LG**



USAF Background

U.S. AIR FORCE

- **USAF SNT Team Co- Chairs:**
 HQ AF/ILI - L. Barnwell HQ AFMC/LG - Col Simard
- **USAF SNT Team Members:**
 - **SAF/AQC - M. Dillard**
 - **AF/ILI - R. Saucedo**
 - **AF/ILG - Lt Col Lawrence, Vendya Gardner, Maj Johnson, Maj Method**
 - **AF/ILM - Maj Breeland, Maj Leon**
 - **SSG - MSgt Young, G. Bright**
 - **AFMC/LG - J. Tudor, G. Treadwell, G. Bates**
 - **AFMC/LSO - M. Reboulet**
 - **AFMC/DR - R. Casada**
 - **AFMC/EN - R. Dannenfelser**

Will also include representation from:

- **MAJCOMs and Program Offices (C-17 is Lt Col Erno)**

Integrity - Service - Excellence



U.S. AIR FORCE

USAF Background

- **Six Functional Working Groups**
 - **Acquisition and Manufacturing - AFMC/DRR**
 - **Transportation - AFMC/LGR**
 - **Base Level Supply - SSG/ILS**
 - **Wholesale/Retail Supply - AFMC/LGI/LGR**
 - **Base Maintenance - AF/ILM**
 - **Depot Maintenance - AFMC/LGP**
- **Weekly telecons with Co-chairs**



USAF Background

U.S. AIR FORCE

- **AF AIT Ongoing Programs Focus on Integration**
 - **Supply -**
 - **Standard Asset Tracking System (SATS)**
 - **Mobility Inventory Control and Accountability System (MICAS)**
 - **Transportation**
 - **Cargo Movement Operations System (CMOS)**
 - **Readiness**
 - **Bare Base Reconstitution and Management System (BBRAMS)**
 - **Maintenance**
 - **Point of Maintenance (POMX)**
 - **Tool Accountability System (TAS)**
 - **Depot Maintenance Re-engineering Transformation (DMRT)**
 - **Munitions**
 - **Combat Ammunition System (CAS) AIT**
 - **Civil Engineering**
 - **Furnishings Management System**
 - **AF Museum**
 - **AF Museum Asset Tracking System (AFMATS)**



U.S. AIR FORCE

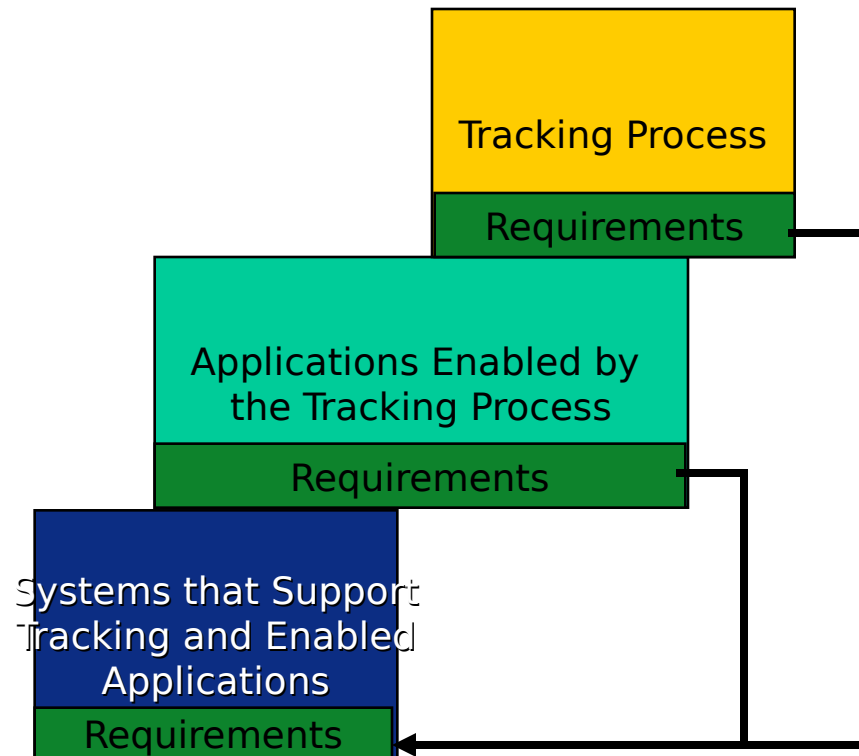
SNT Analysis

- **Determined three major considerations for Serial Number Tracking:**
 - **Tracking**
 - Where is the asset?
 - Business Rules/Processes/Requirements
 - **Capabilities**
 - What can I do with serial tracking data?
 - Business Rules/Processes/Requirements
 - **Systems Changes**
 - What changes are necessary in Information Systems to support tracking and capabilities
 - Business Rules/Processes/Requirements
- **The System Life Cycle was divided into six major functional areas for analysis.**



U.S. AIR FORCE

Building Blocks of Serial Number Tracking





U.S. AIR FORCE

Tracking Vs. Application of SNT

"Tracking" part of Serial Number Tracking

"Application" enabled by Serial Number Tracking

Automated Information Systems

**Manufacture/
Acquisition**

**Inbound
Transportation**

Supply

**Outbound
Transportation**

Maintenance

**Dispositio
n**

Part mark is common thread

• Production
Traceability

• In-Box ITV

• In-Storage
visibility

• In-Box ITV

• On/Off
Equipment
visibility

• Provide item
history to buyer

• Birth Record
• Warranty
• ID Defects
• Configuration Mgmt

• Locate Asset
• Match
transportation
method to item

• Maintenance
pull by S/N
• Locate Asset
• Capital
Reporting
• In-use Equip

• Locate Asset
• Match
transportation
method to
item

• Trend
analysis
• Manage
configuration
• Warranty
• Bad Actors

• Properly
DEMIL

• SAP
• G009

• CMOS
• GATES
• GTN

• SATS
• ILS-S
• SCS

• CMOS
• GATES
• GTN

• Locate Asset
• CEMS
• CAMS

• DRMO
• ITS, PDMSS

Integrity - Service - Excellence



OSD and USAF Milestones

U.S. AIR FORCE

- **OSD UID Working Group Met - 11-12 Feb 03**
 - **OSD UID Interim Status Report - 27 Feb 03**
 - **First AF SNT Working Group Meeting - 26-27 Feb 03**
 - **USAF CONOPS Signed - 27 Feb 03**
 - **OSD Strategy for New and Legacy Programs - Apr 03**
 - **OSD Group Reports (Standards, Policy, Valuation, Legacy) - Jun 03**
 - **UID Marking Requirements Due - Jul 03**
 - **For implementation on all new weapon systems programs including major modifications**
 - **DFAR supporting UID requirements**
-

Integrity - Service - Excellence



U.S. AIR FORCE

SNT Projected Milestones

- **Letter to MAJCOMs and Program Offices - May 03**
- **Process/System Requirements - Jun 03**
- **Develop AF Policy - Jun 03**
- **Develop Roadmap (Master Plan) - Jul 03**
- **Pilot Program with Selected Systems - Dec 03**
- **Change Systems to support SNT - TBD**

(Assumes adequate
resources)



U.S. AIR FORCE

USAF Issues

Funding

- Obtain funding for this year's IPT activities
- POM for program SNT implementations

Policy

- Work with OSD in defining SNT policy
- Provide additional AF policy and guidance

Marking Standards and Technology

- Publish approved standards and methodologies

Joint Service/Other Agency Interfaces

- Coordinate activities to achieve integrated solution

Warfighter Participation and Buy-in

- Involve MAJCOMS and Program Offices in IPT and implementation

Integrity - Service - Excellence



Summary

- **Serial Number Tracking is on the fast track**
- **Commitment from the top**
- **Policy and standards being developed**
- **Weekly meetings with teams**
- **Some capability in FY 04/05**
- **Team effort with OSD**